PRODUCT DESCRIPTION

This product is part of a range of Heat Curable Powders designed specifically for use in **Electro Luminescent** systems. These products are based on a unique curing process that results in the low temperature formation of a thermosetting polymer.

**Product Benefits**
Excellent adhesion to ITO, chemical and environmental resistance. This dielectric has been designed to be used with Phosphor C2080211P2 to produce a white light.

**PROCESSING**

**Screen Printing Equipment**
Semi-Automatic, manual

**Powder Screen Life**
>3 hours

**Screen Types**
Stainless steel, polyester

**Typical Curing Conditions**
- Belt Dryer 130°C for 3 minutes.
- Box Oven 130°C for 10 minutes.

**Clean Up Solvent**
Ethoxy Propanol or Sericol

**Substrate**
ITO coated polyester.

**Storage**
The product should be kept sealed, in its container, and stored at room temperature (20°C)

**Shelf Life**
In a sealed container, stored correctly, the shelf life is minimum 6 months from despatch.

**Diluent/ Thinner**
Not recommended.

**PHYSICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Colour</th>
<th>Pink</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solids Content</td>
<td>72.5 - 76.5%</td>
</tr>
<tr>
<td>at 150°C</td>
<td></td>
</tr>
<tr>
<td>Viscosity</td>
<td>1.2– 3.0 Pa.sec</td>
</tr>
<tr>
<td>Haake RS1 C20/2º TIl at 230 sec¹ at 25°C.</td>
<td></td>
</tr>
<tr>
<td>Coverage</td>
<td>242 cm² per g</td>
</tr>
<tr>
<td>1st Layer</td>
<td>260 cm² per g</td>
</tr>
<tr>
<td>2nd Layer</td>
<td>Using a 230 mesh stainless steel screen</td>
</tr>
</tbody>
</table>

**PHYSICAL PROPERTIES PRINTED ON POLYESTER FILM**

<table>
<thead>
<tr>
<th>Cured film thickness</th>
<th>20 microns</th>
</tr>
</thead>
<tbody>
<tr>
<td>Double layer on 175µ ITO coated Polyester</td>
<td></td>
</tr>
</tbody>
</table>

**SAFETY AND HANDLING**

These powders are intended for industrial use by trained personnel. It is important for workers to avoid overexposure to chemicals contained in these products.

Read the Material Safety Data Sheet (MSDS) and product labels before using the products.

Keep product container closed when not in use to prevent solvent evaporation and spilling hazard.

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